

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Nathan R. Brown

Filed : Concurrently herewith

Attorney Docket No.: 500200.06

Customer No. : 27,076

Title : METHOD AND APPARATUS FOR CHEMICAL-MECHANICAL PLANARIZATION  
OF MICROELECTRONIC SUBSTRATES WITH A CARRIER AND MEMBRANE

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Copies of the cited foreign patent and non-patent literature references, as required under 37 C.F.R. § 1.98(a)(2), are enclosed. Copies of the cited U.S. patents and U.S. patent application publications will not be submitted herewith in accordance with the waiver by the Office of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, appearing to read "Steven Arterberry", written in a cursive style.

Steven H. Arterberry  
Registration No. 46,314

SHA:tlm

Enclosures:

Form PTO-1449

Cited References (3)

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

500200.06

APPLICATION NO.

Not yet assigned

**INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)*

APPLICANT(S)

Nathan R. Brown

FILING DATE

Concurrently herewith

GROUP ART UNIT

Not yet assigned

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|-----------------|----------|------------------|-------|----------|-------------------------------|
|                      | AA | 4,918,869       | 4/24/90  | Kitta            | 51    | 131.1    |                               |
|                      | AB | 5,081,795       | 1/21/92  | Tanaka et al.    | 51    | 131.1    |                               |
|                      | AC | 5,449,316       | 9/12/95  | Strasbaugh       | 451   | 289      |                               |
|                      | AD | 5,624,299       | 4/29/97  | Shendon          | 451   | 28       |                               |
|                      | AE | 5,635,083       | 06/03/97 | Breivogel et al. | 216   | 88       |                               |
|                      | AF | 5,643,053       | 07/01/97 | Shendon          | 451   | 28       |                               |
|                      | AG | 5,730,642       | 03/24/98 | Sandhu et al.    | 451   | 6        |                               |
|                      | AH | 5,733,182       | 03/31/98 | Muramatsu et al. | 451   | 289      |                               |
|                      | AI | 5,738,574       | 04/14/98 | Tolles et al.    | 451   | 288      |                               |
|                      | AJ | 5,766,058       | 06/16/98 | Lee et al.       | 451   | 41       |                               |
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|                      | AQ | 5,948,204       | 09/07/99 | Maveety et al.   | 156   | 345      |                               |
|                      | AR | 5,961,375       | 10/05/99 | Nagahara et al.  | 451   | 41       |                               |
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|                      | AU | 6,019,868       | 02/01/00 | Kimura et al.    | 156   | 345      |                               |
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|                      | AX | 6,036,587       | 03/14/00 | Tolles et al.    | 451   | 288      |                               |

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
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|  | AY | 6,050,882    | 04/18/00 | Chen            | 451 | 41  |  |
|  | AZ | 6,074,289    | 06/13/00 | Murakami et al. | 451 | 388 |  |
|  | BA | 6,083,090    | 07/04/00 | Bamba           | 451 | 288 |  |
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|  | BE | 6,290,572 B1 | 09/18/01 | Hofmann         | 451 | 5   |  |
|  | BF | 6,296,557 B1 | 10/02/01 | Walker          | 451 | 526 |  |
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|  | BH | 6,612,903 B2 | 09/02/03 | Korovin et al.  | 451 | 9   |  |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY                  | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|----------|--------------------------|-------|----------|-------------|----|
|  |    |                 |          |                          |       |          | YES         | NO |
|  | BI | 2,173,639       | 10/11/96 | Canada                   | HO1L  | 21/304   |             |    |
|  | BJ | 58-22657 A      | 02/10/83 | Japan (English abstract) | B24B  | 37/04    |             | X  |
|  | BK | 63-52967 A      | 03/07/88 | Japan (English abstract) | B24B  | 37/04    |             | X  |
|  | BL |                 |          |                          |       |          |             |    |
|  | BM |                 |          |                          |       |          |             |    |
|  | BN |                 |          |                          |       |          |             |    |

**OTHER PRIOR ART** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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|  | BO |  |
|  | BP |  |
|  | BQ |  |

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